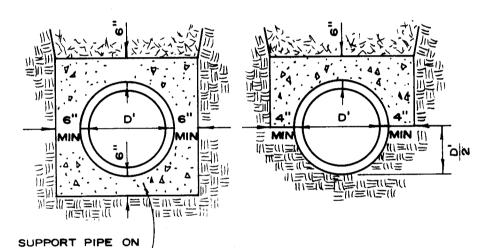


CASE I

CASE II

CASEIII



CASE	LOAD FACTOR
I	1.5
п	1.9
ш	2.2
IX	4.5
V	2.6*

RIGID PIPE DESIGN DATA * SEE NOTE 5

(FOR EXISTING PIPE)

COVER	W	
		MIN
> 8'	8"	6"
>8'	12"	6"
>8'	10"	6"
< 8,	12"	6"
	> 8' > 8' > 8'	>8' 12" >8' 10"

CASE IX

CONCRETE BLOCKS

MARK

LEGEND

PC BEDDING

GRANULAR MATERIAL

34" CRUSHED ROCK PER SECTION 200-1.2 OF THE STANDARD SPEC.

例 BACKFILL

MATIVE SOIL

DEPUTY PUBLIC WORKS DIRECTOR - R.C.E. 11405

APPR.

DATE

REVISIONS

CITY OF RIVERSIDE PUBLIC WORKS DEPT. - ENGINEERING DIV.

PIPE BEDDING

STANDARD DRAWING NO.

452 SHT. 1 OF 2

NOTES FOR PIPE BEDDING

- GRANULAR MATERIAL SHALL BE SAND, GRAVEL, DISINTEGRATED GRANITE, CRUSHED SLAG, CRUSHED AGGREGATE OR NATIVE SOIL WITH A SAND EQUIVALENT OF NOT LESS THAN 30. FOR ALL PLASTIC PIPE, EXCEPT ABS OR PVC COMPOSITE PIPE, BEDDING MATERIAL SHALL BE CRUSHED ROCK AS PER SECTION 200-1.2 OF THE STANDARD SPECIFICATIONS FOR 1/2-INCH ROCK.
- WHERE GROUND WATER IS ENCOUNTERED IN THE TRENCH, THE CONTRACTOR SHALL, AT THE DIRECTION OF THE CITY ENGINEER, EXCAVATE TO A DEPTH OF 6-INCHES BELOW THE PROPOSED PIPE AND PLACE A BEDDING OF 3/4-INCH CRUSHED ROCK OR CRUSHED SLAG. IF THE GROUND WATER IS MORE THAN 3-INCHES ABOVE FLOW LINE OF PIPE, THE CONTRACTOR SHALL CONSTRUCT CONCRETE BARRIERS 3-FEET WIDE, IN 25-FOOT INTERVALS, UNDER THE PIPE TO PREVENT THE FLOW OF WATER THROUGH THE CRUSHED BEDDING MATERIAL.
- 3. CONCRETE SHALL CONFORM TO SECTION 201-1.1.2 OF THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 4. TRENCH WALLS SHALL BE VERTICAL WITHIN THE BEDDING AREA, UNLESS IMPROVED BEDDING, AS APPROVED BY THE CITY ENGINEER, IS USED.
- 5. THE LOAD FACTOR MAY BE INCREASED FOR CASE IV BY USE OF REINFORCING STEEL. THE LOAD FACTOR IS 3.2 FOR P=0.4%, 4.6 FOR P=1.0%, IN WHICH P IS THE RATIO OF THE AREA OF STEEL TO THE AREA OF CONCRETE ABOVE THE CROWN OF THE PIPE.

APPROVED William D. January DATE 6.12-86 DEPUTY PUBLIC WORKS DIRECTOR - R.C.E. 11405			5·12-86 E. 11405	CITY OF RIVERSIDE PUBLIC WORKS DEPT ENGINEERING DIV.
	NOTE 3 CHANGED SEC 306 TO ZOO-1.1.Z; NOTE 5 CHANGED CASE V TO IV.	wag	12-53-87	PIPE BEDDING
MARK	REVISIONS	APPR	DATE	STANDARD DRAWING NO. 452